



GALILEE BASIN COAL & ENERGY CONFERENCE



Golden Cross Resources
The Baykool Projects
Eromanga Basin

Kim Stanton-Cook Managing Director 12th November 2012

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12th November 2012





Corporate Directory

Board of Directors

Steve Gemell

Kim Stanton-Cook

Li Xiaoming

Jingmin Qian

Suzanne Qiu

David Timms

Li Yan

Chairman

Managing Director

Non Executive Director

Non Executive Director

Non Executive Director

Non Executive Director

Alternate Director for Mr Li

Company Secretary

Simon Lennon

Exploration Manager

Bret Ferris

Issued Share Capital

Golden Cross Resources Ltd (GCR) has 1,362 million ordinary shares listed on the ASX with a market capitalisation of \$10 million. GCR has \$2.8 million in cash and \$1.8 million in tradeable securities.

Registered Office

Golden Cross Resources Ltd

22 Edgeworth David Avenue

Hornsby NSW 2077

Phone: (61 2) 9472 3500

Fax: (61 2) 9482 8488

Golden Cross Resources has four full-time employees, three part-time employees and retains geological, mining and metallurgical consultants as required.

Like a fish out of water



A hard-rock minerals geologist talking about grassroots Eromanga Basin coal projects at a Galilee Basin Conference.....



Golden Cross Properties

- 100% owned
- Farm-out Joint Ventures
- Phosphate Farm-out

- | | |
|--|---|
| Georgina Basin | Lachlan Fold Belt |
| Bowen Basin | Mt Isa Inlier |
| Galilee Basin | Curnamona Prov. |
| Surat Basin | Yilgarn Block |
| ● Eromanga Basin | Olympic Domain |

GCR's entry into coal exploration

Opportunistic applications were made for EPC's in the Clarence-Moreton, Bowen, Surat & Galilee Basins in 2008 and 2010

The former Labor Government imposed restrictions on coal exploration with:

- **Requirements for SSE's**
- **Exclusion zones around towns & villages**
- **Restrictions on activities on "strategic cropping land"**

The coal 'boom' meant coal consultants were fully stretched and had no interest in taking on small (<\$0.5 million) jobs

GCR was unable to complete its work programs and sold its EPC's and EPCA's in 2012

GCR elects to stay in coal

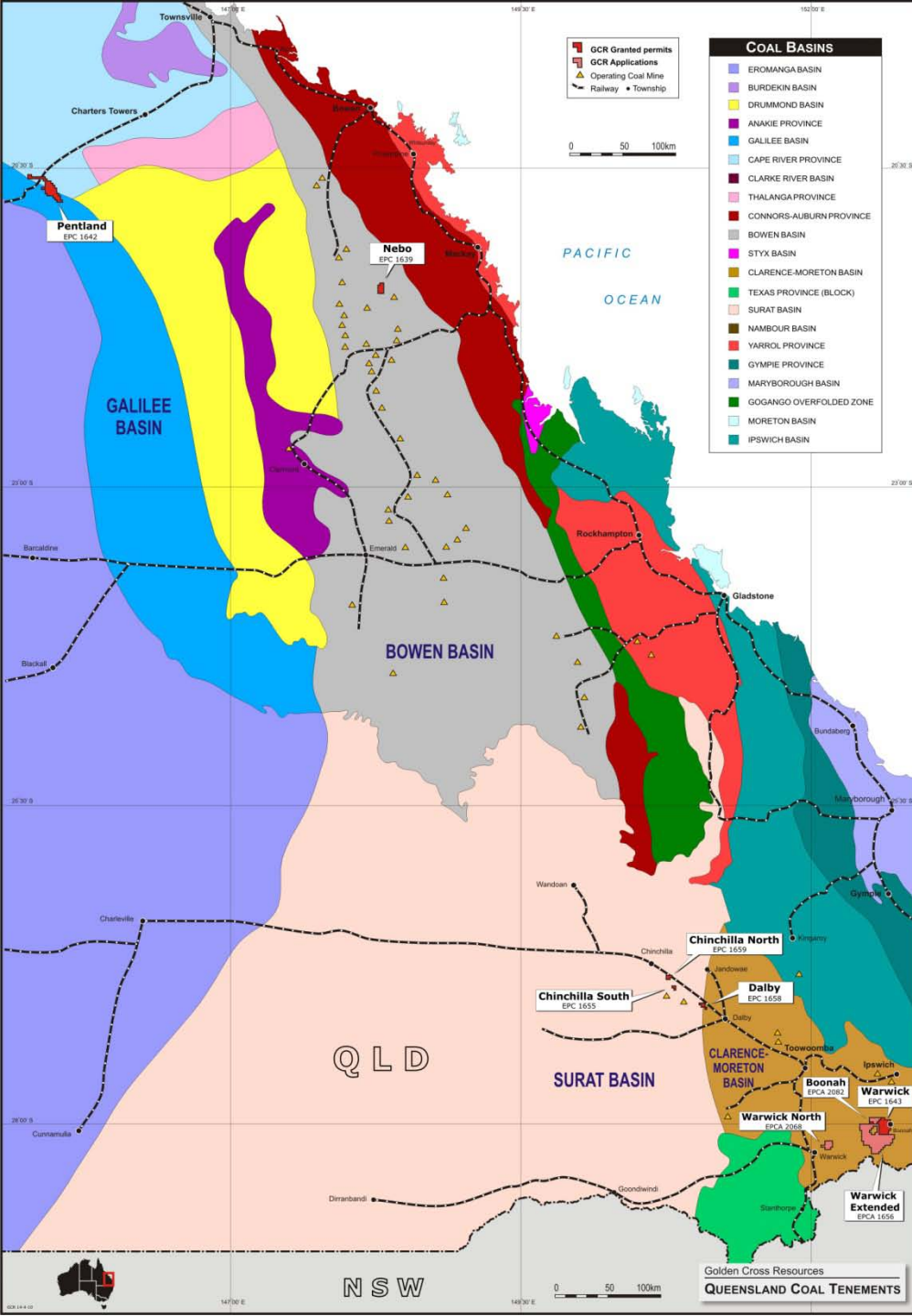
Coal is a sensible, rational energy source for the planet

International demand for steaming coal is projected to grow

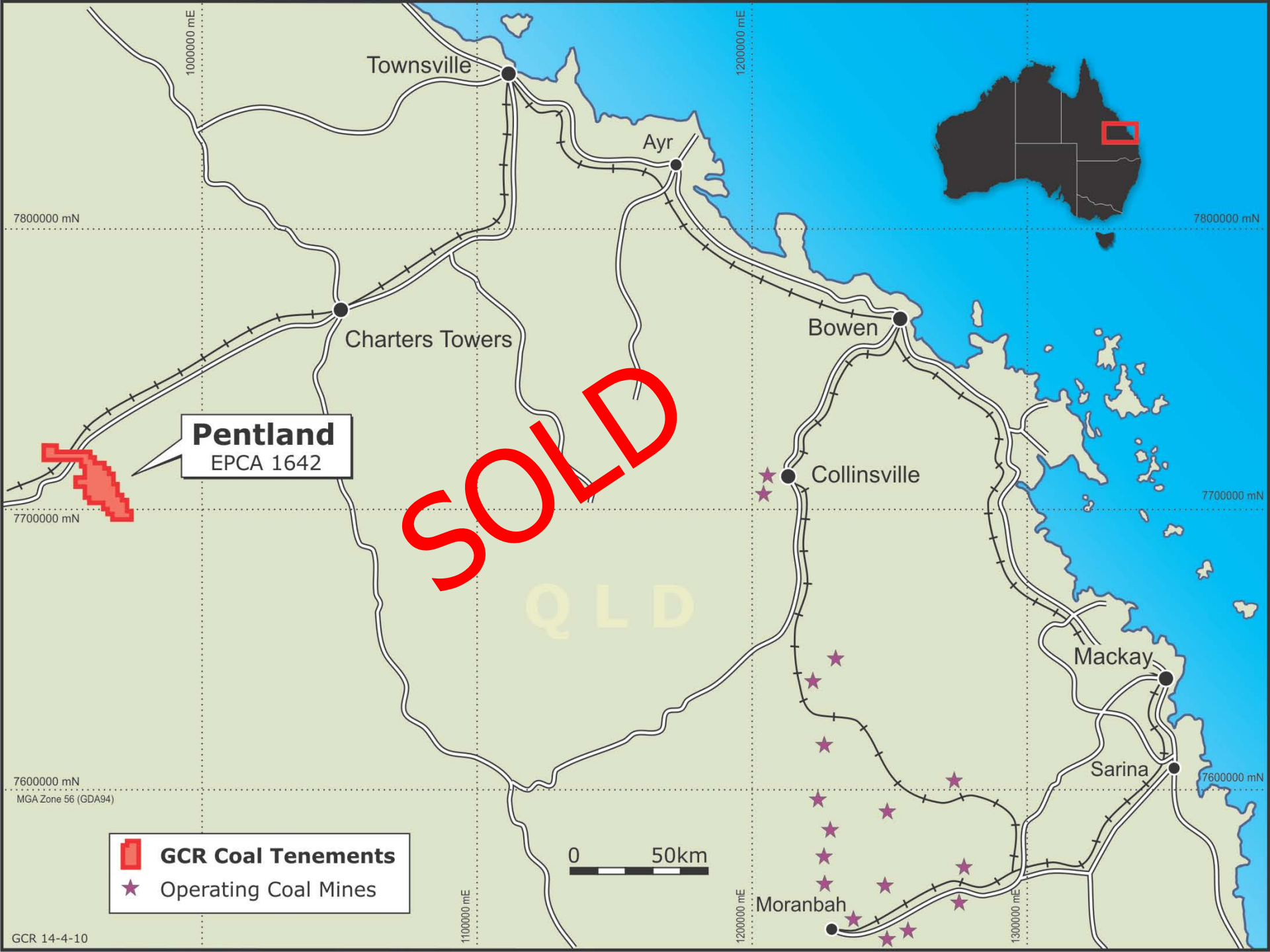
Coal-fired power stations are the lowest cost, fastest to build and simplest means of providing electricity to developing countries

Applying for ground in the coal-bearing Eromanga Basin requires a trade-off; it's remote, it has limited infrastructure but it's not saddled with the restrictions and community opposition gaining ground in southeastern Queensland

Substantial resources of steaming coal, 700 million to +1 billion tonnes are being defined in the Blackall - Cheepie region of the Eromanga Basin



GCR's original coal exploration applications



Pentland
EPCA 1642

SOLD

QLD

-  **GCR Coal Tenements**
-  **Operating Coal Mines**

0 50km



Linc Energy's
UCG-GTL Chinchilla Demonstration Facility

Chinchilla North
EPC 1659

Chinchilla South
EPC 1655

Dalby
EPC 1658

KOGAN CK
WILKIE CK

Carbon Energy's
Bloodwood Creek
UCG Plant

QLD

SOLD

NEW ARLAND
NEW ARLAND (SARINE)

Boonah North
EPCA 2257

Boonah
EPCA 2082






Warwick North
EPCA 2068

Roadvale
EPCA 2258

Boonah East
EPCA 2242

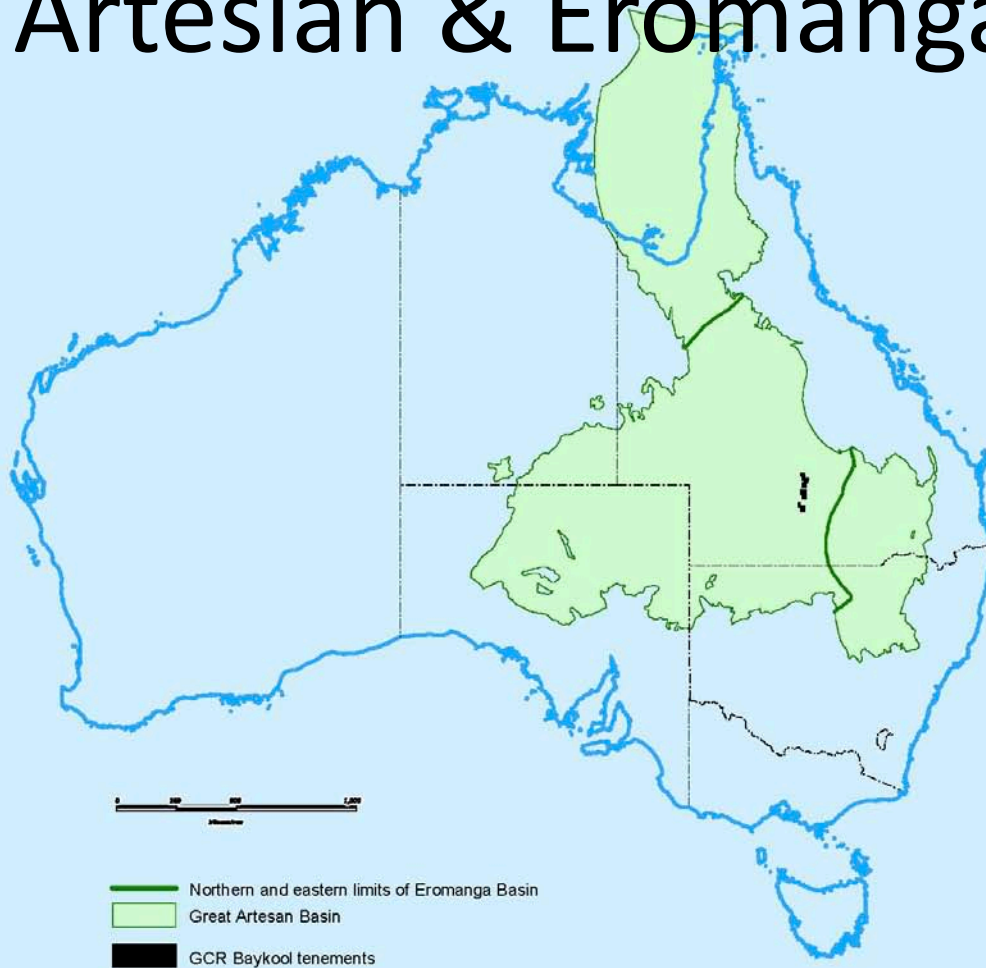
Warwick
EPC 1643

Warwick Extended
EPCA 1656

-  **GCR Coal Tenements**
-  Application
-  Competitive Application
-  Operating Coal Mines
-  Coal Deposit

0 50km

Great Artesian & Eromanga Basin

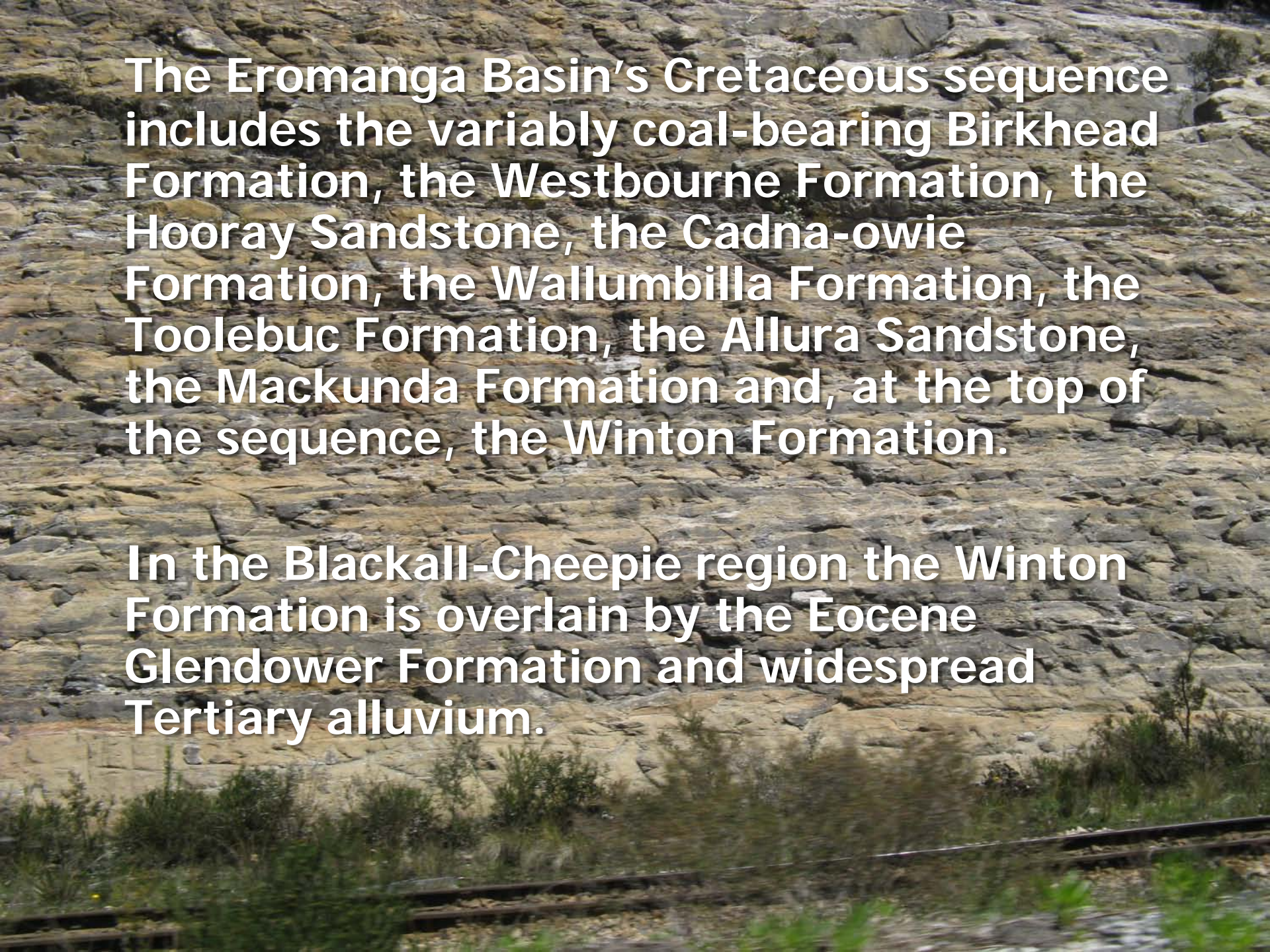


In December 2011, Golden Cross lodged three EPC applications over sections of the Eromanga Basin west of Charleville and south of Blackall that were considered prospective for commercial coal deposits.

- **Baykool South (EPC 2896)**
- **Baykool Central (EPC 2897) and**
- **Baykool North (EPC 2898)**

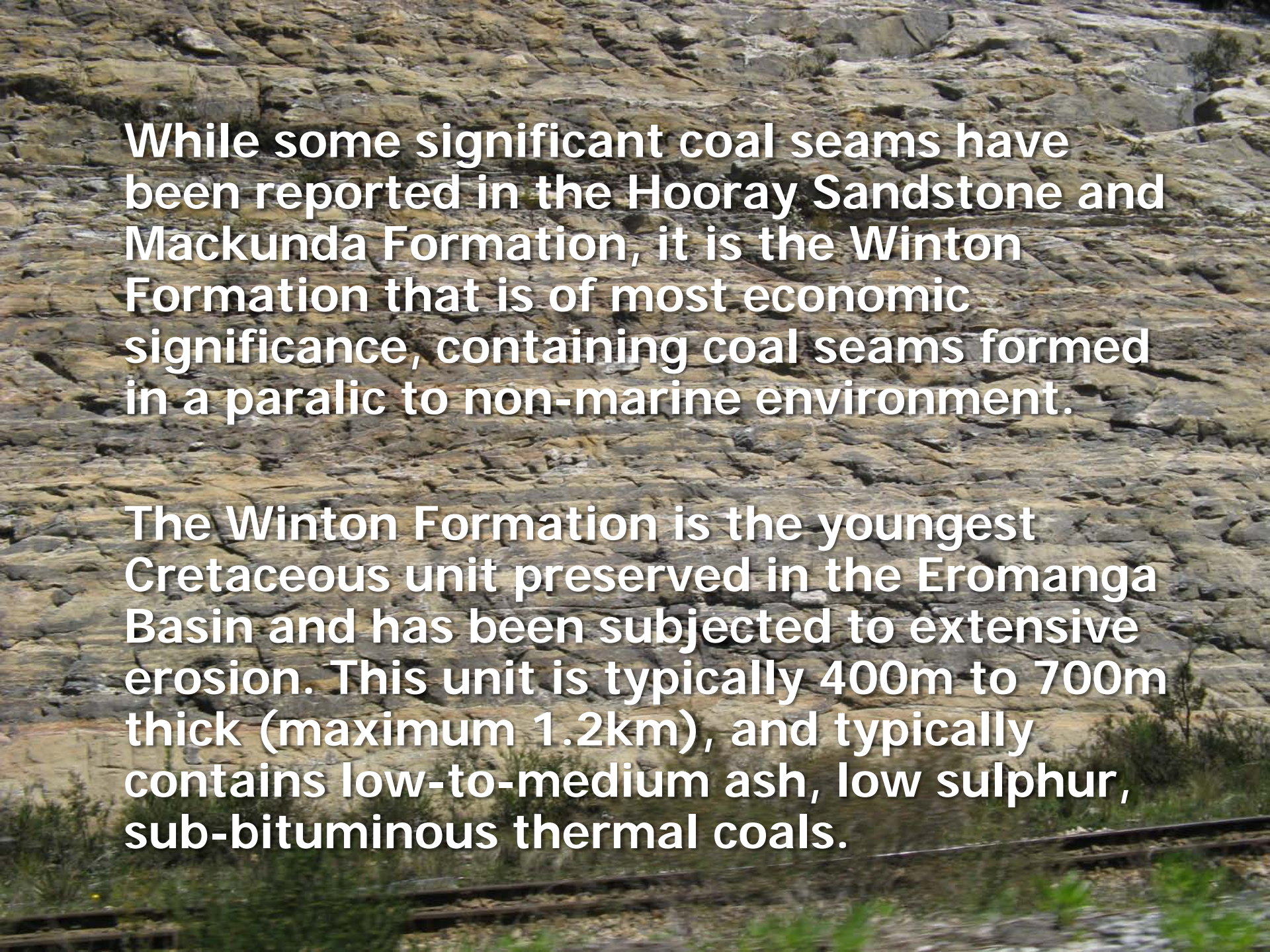
They cover a total area of 2,250 km²

There are no competing applications for these areas.



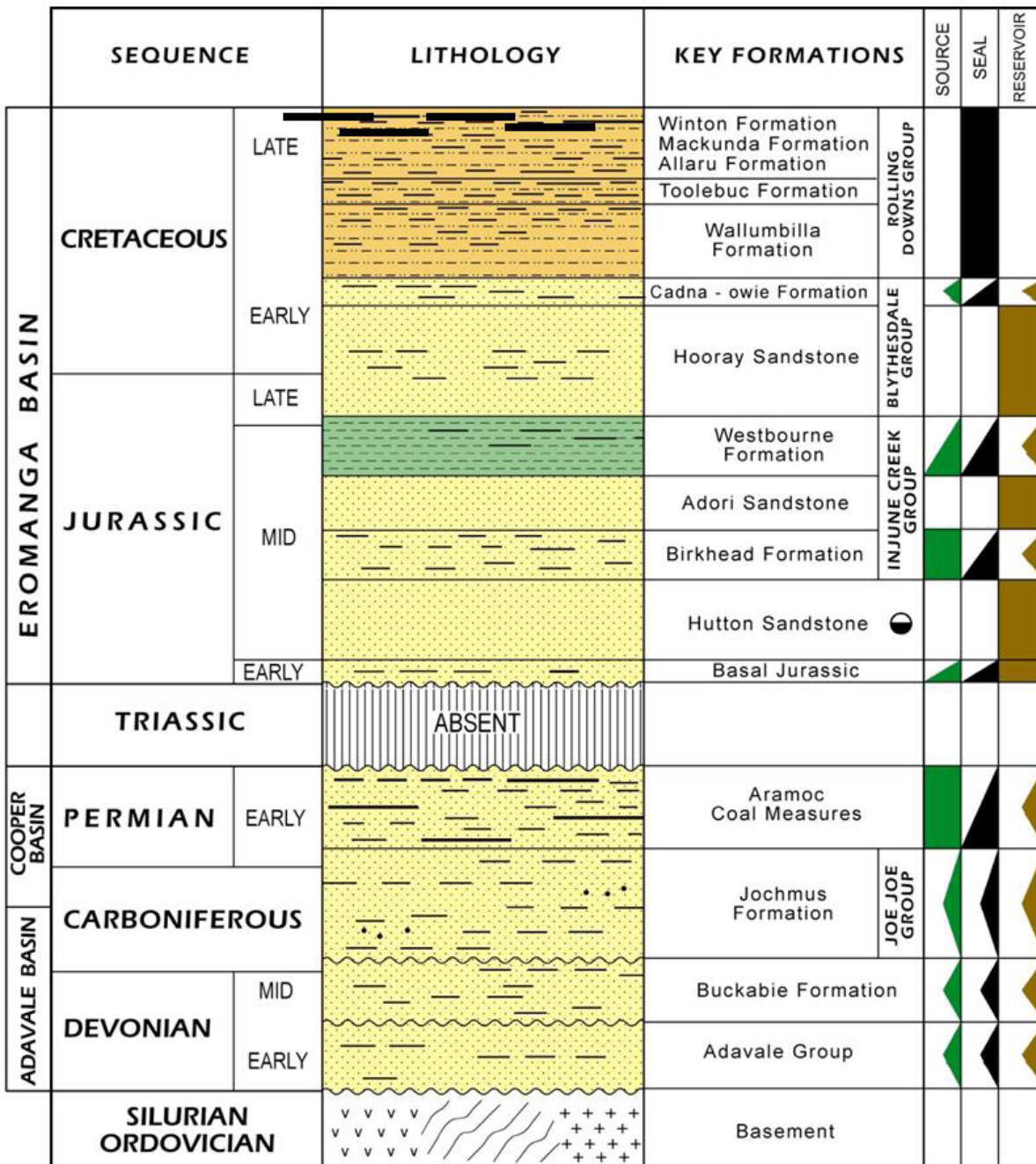
The Eromanga Basin's Cretaceous sequence includes the variably coal-bearing Birkhead Formation, the Westbourne Formation, the Hooray Sandstone, the Cadna-owie Formation, the Wallumbilla Formation, the Toolebuc Formation, the Allura Sandstone, the Mackunda Formation and, at the top of the sequence, the Winton Formation.

In the Blackall-Cheepie region the Winton Formation is overlain by the Eocene Glendower Formation and widespread Tertiary alluvium.

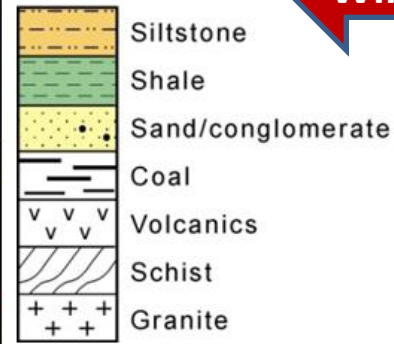
The background of the image shows a rugged, eroded landscape of light-colored, layered rock formations. In the foreground, a dark railway track runs horizontally across the frame. The text is overlaid on the upper and middle portions of the image.

While some significant coal seams have been reported in the Hooray Sandstone and Mackunda Formation, it is the Winton Formation that is of most economic significance, containing coal seams formed in a paralic to non-marine environment.

The Winton Formation is the youngest Cretaceous unit preserved in the Eromanga Basin and has been subjected to extensive erosion. This unit is typically 400m to 700m thick (maximum 1.2km), and typically contains low-to-medium ash, low sulphur, sub-bituminous thermal coals.



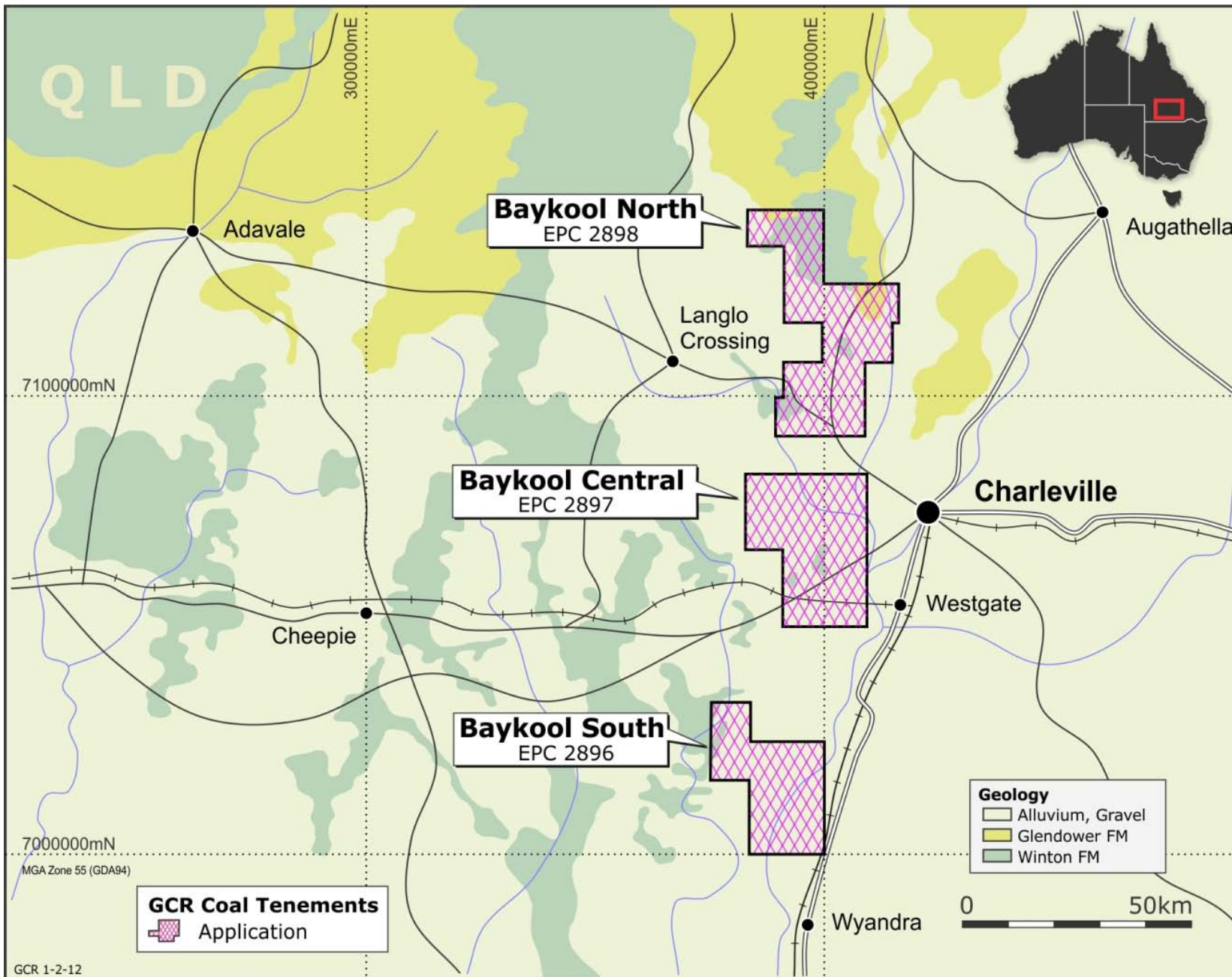
Lithology

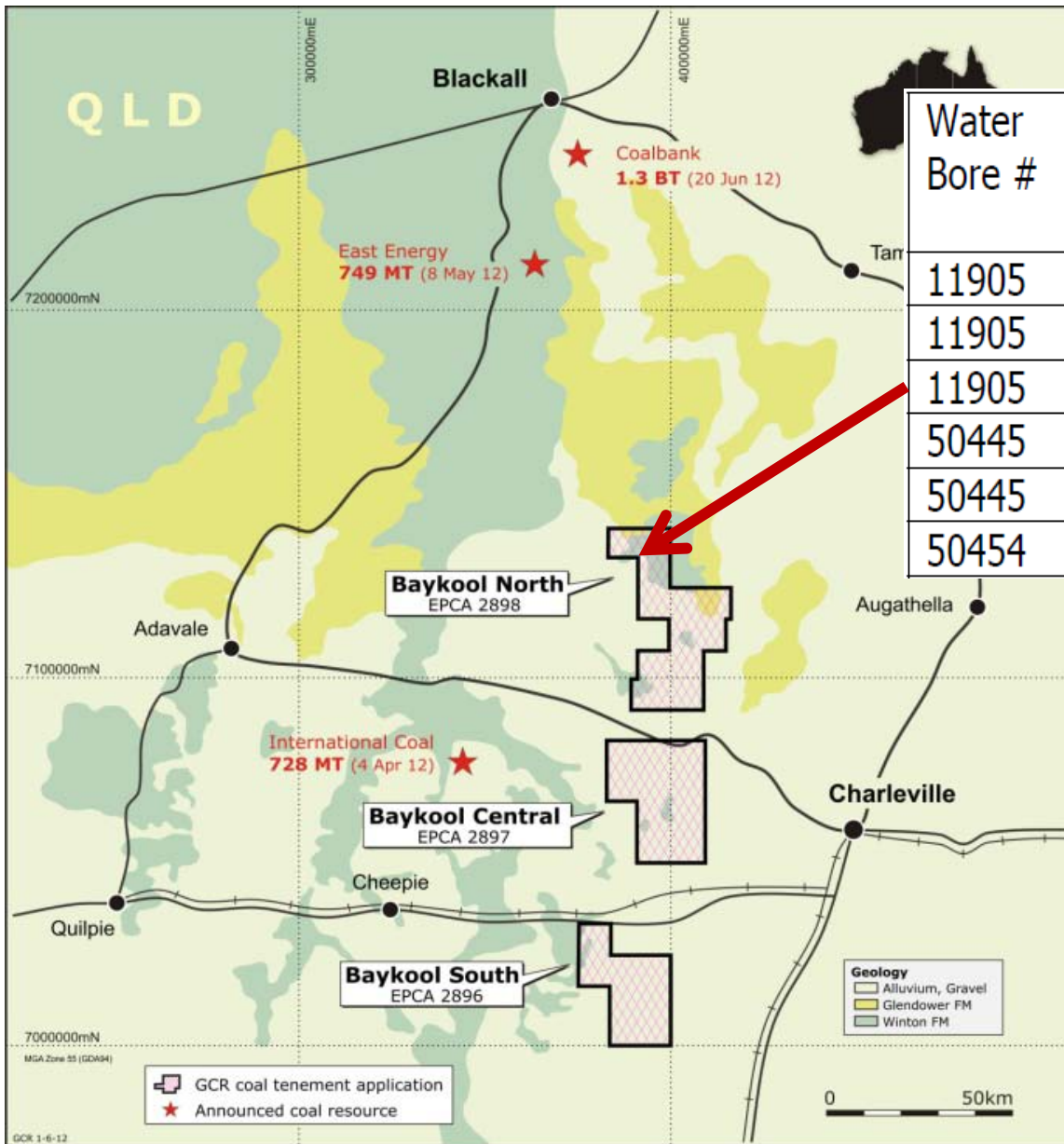


Source, Seal, Reservoir Quality



Adavale – Cooper – Eromanga Basin Stratigraphic column





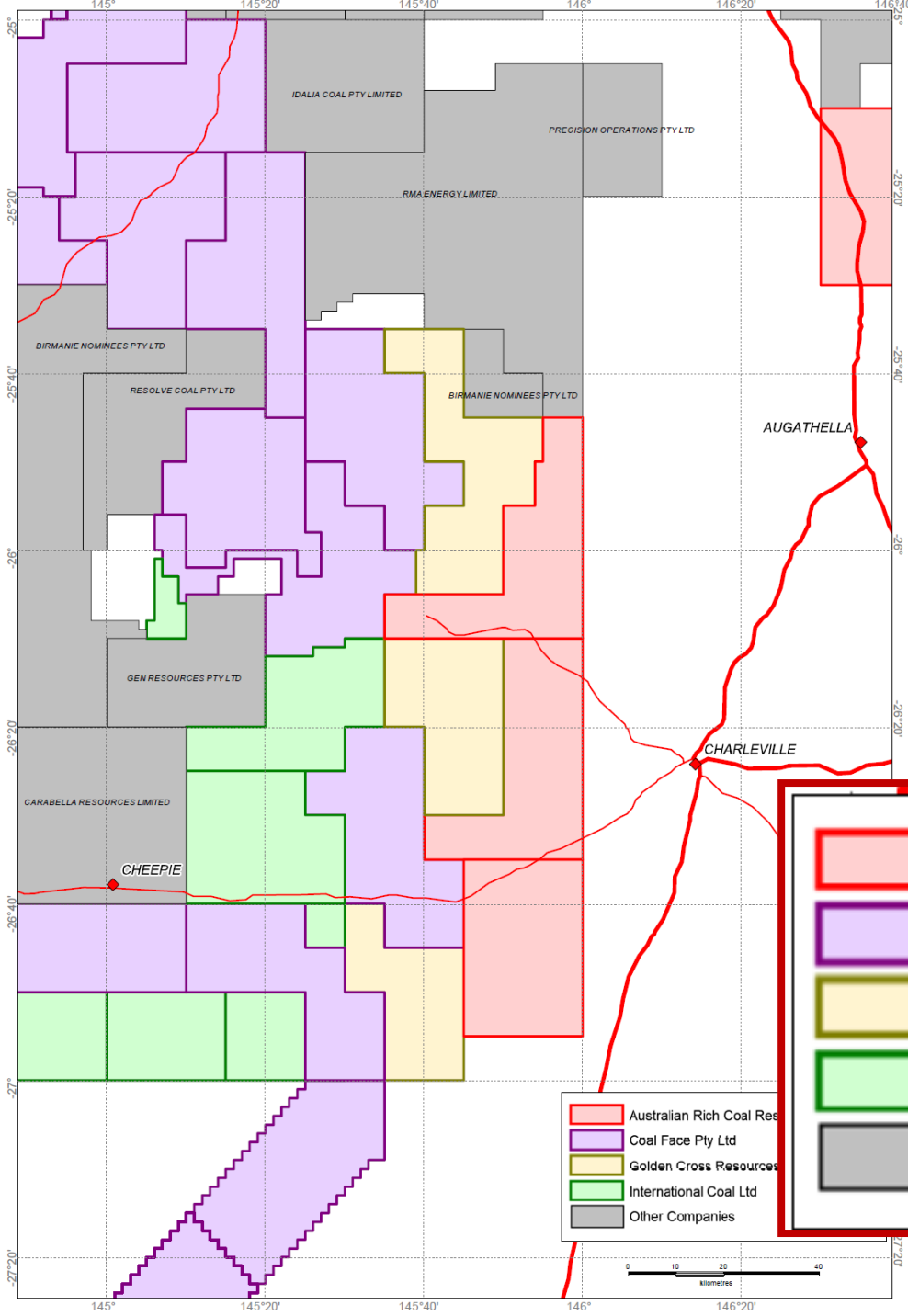
Water Bore #	From (m)	To (m)	Coal layers over metres
11905	11.15	13.47	2.32
11905	21.18	21.74	0.56
11905	28.61	31.12	2.51
50445	21.73	21.34	0.61
50445	42.29	42.98	0.49
50454	9.27	16.70	7.44

Exploration Plan:

Commence drilling near water bore 50454 to verify seam thickness and quality then step out on 500 metres, then 1 and 2 kilometre centres to establish a resource.

Initial program: 25 x 100 metre PQ core holes.

Southeastern Eromanga EPC's & EPCA's





Baykool Infrastructure Schematic

showing rail, ports and coal-fired power station locations

Will the planned, purpose-built rail and port infrastructure for Alpha and other export coal projects help open up the eastern Eromanga?

Time will tell.....

Thank you

